

IN THE CLAIMS

Please make the following claim substitutions:

1 1. (Currently amended) A method ~~of determining~~ for dropping packets
2 based on a current bandwidth allocation of packetized communications traffic of
3 a router in a network, said method comprising the steps of:

4 periodically querying endpoints corresponding to said router ~~based on~~
5 ~~identification from~~ to obtain information for use in updating a ~~corresponding~~
6 ~~router~~ connection table of said router;

7 determining, in response to said querying, obtaining a current connection
8 status, call reference (Call Ref) value, and bandwidth utilization information ~~of for~~
9 each of said endpoints ~~based on a response to said querying~~;

10 calculating, based on said current connection status, said call reference
11 (Call Ref) value, and said bandwidth utilization information for each of said
12 endpoints, a current bandwidth allocation for a specific type of communications
13 service handled by said router; and

14 when bandwidth is not available for said specific type of communications
15 service, (i) dropping packets of any new call received by said router for said
16 service and (ii) informing said endpoints to disconnect said new call.

1 2. (Currently amended) The method of Claim 1, wherein said method
2 is ~~accomplished~~ performed by said router on a per interface basis ~~for each~~
3 ~~router~~.

1 3. (Currently amended) The method of Claim 1, further including the
2 step of admitting additional communications traffic ~~connections~~ to said router
3 when if bandwidth for said specific type of communications service is available.

1 4. (Canceled)

1 5. (Currently amended) The method of Claim ~~[[4]]~~ 1, wherein the
2 router ~~obtains~~ receives from an endpoint the Call_Ref value ~~of for~~ a new

3 connection that is not of a type that can ~~cannot~~ be handled and in response
4 thereto a message is sent to the ~~corresponding~~ endpoint to terminate the call.

1 6. (Currently amended) The method of Claim 1, wherein said querying
2 step includes the step of sending of a H.323 ~~IRQ~~ Info Request (IRQ) message,
3 and a response to said querying includes receiving an ~~IRR~~ Info Request
4 Response (IRR) message.

1 7. (Currently amended) The method of Claim 3, wherein said step of
2 admitting additional communications traffic includes the step of determining a
3 type of connection to be made as a function of an identified ~~by identifying~~ IP
4 addresses, TOS (type of service) type of service, and respective socket number
5 range.

1 8. (Currently amended) The method of Claim 1, wherein said querying
2 ~~process~~ step is periodically reset.

1 9. (Currently amended) A method for managing traffic flowing through
2 individual routers of a packet network, said method comprising the steps of:
3 reserving a given amount of bandwidth on interfaces of said individual
4 routers for specific types of communications traffic;
5 identifying endpoint connections of said interfaces;
6 periodically querying said endpoint connections;
7 receiving responses from said periodic querying to determine a current
8 connection status, call reference value, and bandwidth allocation ~~of~~ for each of
9 said endpoints endpoint connections;
10 calculating, based on said current connection status, said call reference
11 value, and said bandwidth allocation for each of said endpoint connections, a
12 current bandwidth allocation for an interface of said routers; and
13 admitting additional communications traffic over an interface for a specific
14 type of communications service when if bandwidth is available; and

15 when bandwidth is not available for said specific type of communications
16 service, (i) dropping packets of any new call received by said routers for said
17 service and (ii) informing said endpoint connections to disconnect said new call.

1 10. (Canceled)

1 11. (Currently amended) The method of Claim ~~[[10]]~~ 9, wherein each of
2 the routers ~~obtains~~ receive from an endpoint the Call_Ref value of a new
3 connection that is not of a type that can ~~cannot~~ be handled and in response
4 thereto a message is sent to the ~~corresponding~~ endpoint to terminate the call.

1 12. (Original) The method of Claim 11, wherein said message is a non-
2 standard H.245 message.

1 13. (Currently amended) The ~~methods~~ method of Claim 9, wherein
2 said querying step includes the step of sending of a H.323 IRQ message, and a
3 response to said querying includes receiving an IRR message.

1 14. (Currently amended) The method of Claim 13, wherein said step of
2 admitting additional communications traffic includes the step of determining a
3 type of connection to be made as a function of an identified ~~by identifying~~ IP
4 addresses, ~~TOS (type of service)~~ type of service, and socket number range.

1 15. (Original) The method of Claim 9, wherein said network utilizes
2 Internet Protocol.

1 16. (Currently amended) An apparatus for managing traffic
2 flowing through individual routers of a packet network, said routers reserving a
3 given amount of bandwidth on interfaces of said individual routers for specific
4 types of communications traffic, said apparatus comprising:

5 means for periodically querying endpoint connections corresponding to
6 said routers based on data from to obtain data for use in updating a
7 ~~corresponding router~~ connection table of said routers;

8 means for receiving responses from said periodic querying to determine a
9 current connection status, call reference value, and bandwidth of for each of said
10 endpoints endpoint connections; and

11 means for calculating, based on said current connection status, said call
12 reference value, and said bandwidth for each of said endpoint connections, a
13 current bandwidth allocation for a specific type of communications service
14 handled by said routers;

15 said routers admitting additional communications traffic for a specific type
16 of communications service when if said given amount of bandwidth is available;
17 and

18 when bandwidth is not available for said specific type of communications
19 service, said routers are operable to (i) drop packets of any new call for said
20 service and (ii) inform said endpoint connections to disconnect said new call.

1 17. (Canceled)

1 18. (Currently amended) The apparatus of Claim ~~[[17]]~~ 16, wherein
2 each of the routers are is operable to ~~obtain~~ receive from an endpoint the
3 Call_Ref value of a new connection that is not of a type that can ~~cannot~~ be
4 handled and in response thereto a message is sent to the corresponding
5 endpoint to terminate the call.

1 19. (Original) The apparatus Claim 18, wherein said message is a non-
2 standard H.245 message.

1 20. (Currently amended) The apparatus of Claim 16, wherein said
2 querying includes sending of a H.323 IRQ message, and a response to said
3 querying includes receiving an IRR message.

1 21. (Currently amended) The apparatus Claim 16, wherein said
2 apparatus is operable to determine a type of connection to be made as a function
3 of an identified by-identifying IP addresses, TOS (type-of-service) type of service,
4 and socket number range.

1 22. (Original) The apparatus of Claim 16, wherein said network
2 utilizes Internet Protocol.

1 23. (Currently amended) The apparatus of Claim 16, wherein said
2 querying is accomplished performed by said routers on a per interface basis for
3 each router.